

Title (en)  
SWIVEL MECHANISM FOR VEHICLE SEAT

Title (de)  
DREHMECHANISMUS FÜR EINEN FAHRZEUGSITZ

Title (fr)  
MÉCANISME DE PIVOTEMENT POUR UN SIÈGE DE VÉHICULE

Publication  
**EP 3258815 A4 20180711 (EN)**

Application  
**EP 16753150 A 20160219**

Priority  
• US 201514626283 A 20150219  
• US 2016018685 W 20160219

Abstract (en)  
[origin: WO2016134262A1] A vehicle passenger seat swivel mechanism connected between a seat frame and a seat base secured to a vehicle body. The swivel assembly can include a swivel axis around which the seat frame rotates and a tracking axis, approximately perpendicular to the swivel axis, along which the seat frame can translate. A guide plate can be disposed on the seat base and has a guide plate rail. A guide follower can be disposed on the seat frame having an engagement surface engaging the guide plate rail. As the seat frame swivels around the swivel axis, the guide follower is displaced along the translation axis, which causes at least the seat frame to displace in the same direction along the translation axis, to at least a first or a second clearance distance from the swivel axis, and the guide plate and the guide follower do not overlap along the swivel axis.

IPC 8 full level  
**A47C 1/00** (2006.01); **B60N 2/02** (2006.01)

CPC (source: EP US)  
**B60N 2/14** (2013.01 - EP US); **B64D 11/064** (2014.12 - EP US); **B64D 11/0643** (2014.12 - EP US); **B64D 11/0648** (2014.12 - EP US); **B64D 11/0696** (2013.01 - EP US)

Citation (search report)  
• [Y] US 7422264 B1 20080909 - LUNG CHING-YUNG [TW], et al  
• [Y] US 2290464 A 19420721 - BUCHHEIT JOHN J  
• [Y] US 2005179302 A1 20050818 - CHUNG TIEN-TUNG [TW], et al  
• [Y] US 7036883 B1 20060502 - THOMPSON JAMES L [US], et al  
• [Y] JP 2000272386 A 20001003 - DAIHATSU MOTOR CO LTD  
• [Y] US 2014132050 A1 20140515 - CLARK JEFFREY L [US], et al  
• [Y] EP 0972671 A1 20000119 - TOYOTA AUTO BODY CO LTD [JP]  
• See references of WO 2016134262A1

Cited by  
KR20210132828A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2016134262 A1 20160825**; BR 112017017772 A2 20180403; CA 2976921 A1 20160825; CN 107249390 A 20171013;  
EP 3258815 A1 20171227; EP 3258815 A4 20180711; EP 3258815 B1 20191023; US 2016244170 A1 20160825; US 9428276 B1 20160830

DOCDB simple family (application)  
**US 2016018685 W 20160219**; BR 112017017772 A 20160219; CA 2976921 A 20160219; CN 201680011183 A 20160219;  
EP 16753150 A 20160219; US 201514626283 A 20150219